

GABA Transporter 3 Rabbit pAb

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Catalog # AP55109

Product Information

Application	WB
Primary Accession	P48066
Reactivity	Human
Predicted	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70606
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GABA Transporter 3/GAT 3
Epitope Specificity	531-632/632
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Multi-pass membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Gamma-aminobutyric acid (GABA) is a major inhibitory neurotransmitter. GABAergic neurotransmission is terminated by the uptake of GABA into the presynaptic terminal and the surrounding astroglial cells by sodium-dependent transporters, such as SLC6A11 (Borden et al., 1994 [PubMed 7874447]).[supplied by OMIM, Nov 2010]

Additional Information

Gene ID	6538
Other Names	Sodium- and chloride-dependent GABA transporter 3, GAT-3, Solute carrier family 6 member 11, SLC6A11, GABT3, GAT3
Dilution	WB=1:500-2000,Flow-Cyt=1ug/test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

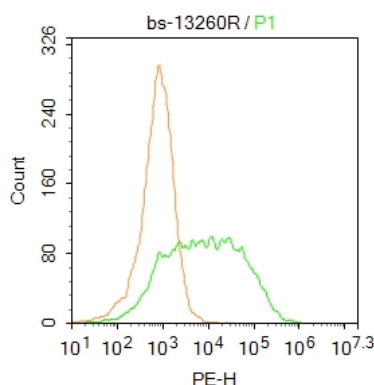
Name	SLC6A11
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Synonyms	GABT3, GAT3
Function	Mediates sodium- and chloride-dependent transport of gamma-aminobutyric acid (GABA) (PubMed: 7874447). Can also mediate transport of beta-alanine and to a lower extent that of taurine and hypotaurine (By similarity).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P31647}; Multi-pass membrane protein
Tissue Location	Widespread distribution in the brain.

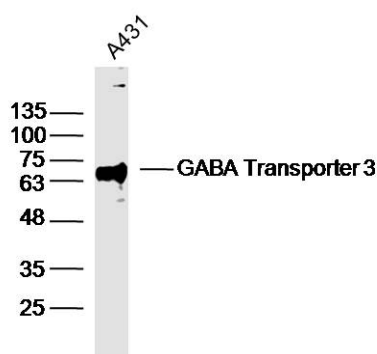
Background

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Images

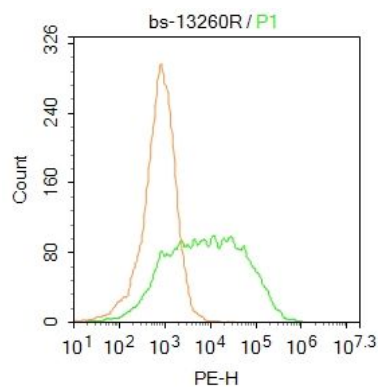


Blank control: HepG2.
 Primary Antibody (green line): Rabbit Anti-GABA Transporter 3 antibody (AP55109)
 Dilution: 1 µg /10⁶ cells;
 Isotype Control Antibody (orange line): Rabbit IgG .
 Secondary Antibody : Goat anti-rabbit IgG-PE
 Dilution: 1 µg /test.
 Protocol
 The cells then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Sample:A431 (human)cell Lysate at 40 ug
 Primary: Anti-GABA Transporter 3 (AP55109)at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
 Predicted band size: 71 kD
 Observed band size: 71 kD

Blank control: HepG2.
 Primary Antibody (green line): Rabbit Anti-GABA Transporter 3 antibody (AP55109)
 Dilution: 1 µg /10⁶ cells;
 Isotype Control Antibody (orange line): Rabbit IgG .
 Secondary Antibody : Goat anti-rabbit IgG-PE
 Dilution: 1 µg /test.
 Protocol
 The cells then incubated in 5%BSA to block non-specific



protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.